

ActivO™

User Manual

for North America

Ver. II October 05



Activated by



User Manual

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UNPACKING

- ➊ Open top flaps of carton. Gently place carton on its side. Lift unit up slightly and then pull out by rolling on its wheels.
- ➋ Place handle on top panel and fasten 3 hex screws on each side.



Handle

**Front
Grill Panel**



1. General Information

Ecozone's **ActivO** is a mobile and easy-to-use deodorizing system for indoor use. This robust computer controlled automatic system is characterized by high safety standards. The system incorporates ECOZONE's unique **ADA system**, a double-stage operating cycle that creates ozone and subsequently removes it, allowing the immediate reoccupation of treated spaces.

In the first stage the room is enriched with ozone (generated from the air using Ecozone's multi-patented technology) at a particularly high rate in order to reach homogeneous conditions and a high concentration level within the shortest possible time. In the second stage, any after-treatment residual ozone is decomposed into oxygen, so as to leave the treated room well within the regulated levels.

2. Declaration of Conformity



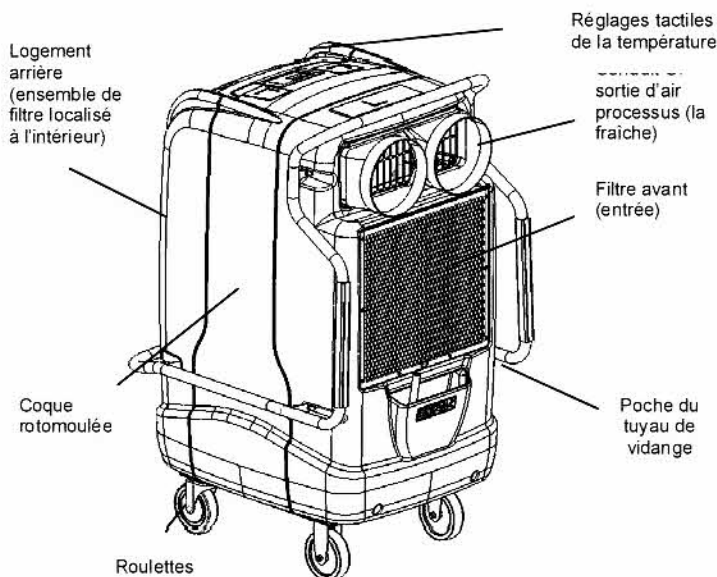
Model No. POCS-500 (POCS= Portable Odour Control System)

This unit fully complies with CE & FCC rules of EMC regulations.

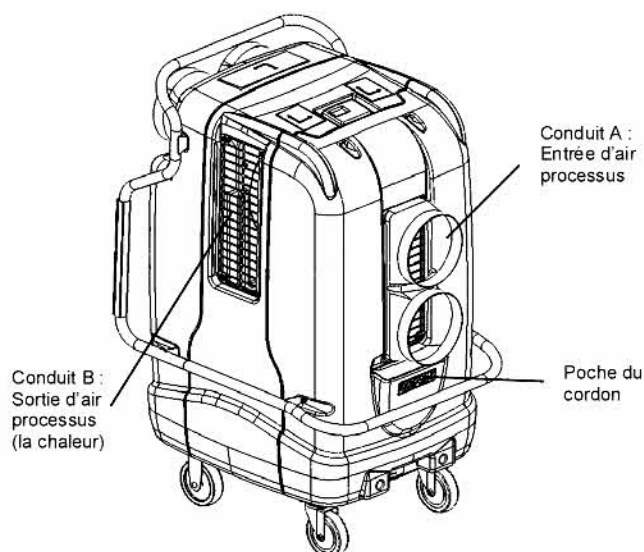
EN 61000-61, EN 61000-62, EN 61010-1, EN 5501 EMC, FCC Part 15

Safety of Low Voltage Directive 73/23/EEC as Amended: EN 61010-1.





Vue frontale et latérale droite



Vue arrière et latérale gauche

INSTALLATION

Placez le déshumidificateur à la verticale. Si vous transportez le modèle EB1400 à l'horizontale, posez-le à la verticale pendant au moins 30 minutes avant de le mettre en marche. Lorsque l'appareil est à l'horizontale, l'huile du compresseur s'écoule dans les bobines frigorifiques, empêchant le déshumidificateur de fonctionner correctement.

Transport et rangement

1. Avant le transport, déplacez l'adaptateur de conduit B à l'avant ou à l'arrière pour empêcher qu'il ne soit endommagé. Remarque : n'exposez pas le thermostat à l'humidité et à la pluie lors du transport dans des véhicules non couverts, tels que des camions à plateau.
2. Transportez l'appareil dans les escaliers ou sur les surfaces accidentées en le tenant droit sur le chariot Unimover ou un chariot manuel. Retenez-le au moyen de sangles. N'attachez pas l'appareil par la poignée. ATTENTION ! Soyez prudent lors du chargement de l'appareil sur un chariot manuel car il

pourrait se renverser et blesser. Placez toujours une sangle autour du boîtier du modèle EB1400, pour le tenir en place sur le chariot Unimover ou le chariot manuel pendant le transport.

3. Rangez l'appareil avec le côté gauche contre le mur et tenez-le droit pendant le transport. **AVIS !** N'attachez pas l'appareil par les poignées. Retenez en place à l'aide d'une sangle placée autour du boîtier en plastique. Rangez en lieu sûr pour éviter tout endommagement des pièces internes.

PLAGE DE FONCTIONNEMENT

La plage de fonctionnement recommandée se situe entre 16 – 46°C. L'EB1400 ne fonctionnera pas correctement dans un environnement où les températures ne correspondent pas à cette plage.

TEMPS DE CYCLE ET PROTECTION DU COMPRESSEUR

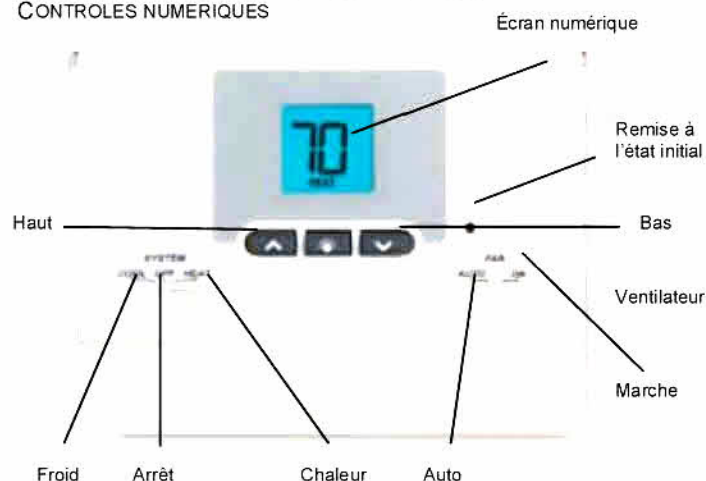
Le thermostat de l'EB1400 comprend un dispositif automatique de protection du compresseur pour éviter tout risque d'endommagement du système de refroidissement par cycle court. Ce thermostat entraîne automatiquement un retard de cinq minutes après arrêt du système de refroidissement pour protéger le compresseur. Cette protection est également présente lorsque l'appareil est utilisé pour le chauffage.

Notes Importantes:

- Si l'appareil est en perte de puissance ou est débranché en cours d'utilisation, l'opérateur DOIT attendre 5 minutes avant de le rebrancher. À défaut, le compresseur risque d'être endommagé ou le disjoncteur de l'installation risque d'être déclenché.
- Toujours mettre le sélecteur à la position d'arrêt (OFF) avant de le débrancher.
- Si les réglages du système sont modifiés en cours d'utilisation, l'appareil sera automatiquement retardé de 5 minutes avant le démarrage.
- Lors du basculement de l'appareil entre chauffage et climatisation ou inversement, l'opérateur doit régler la température de référence.

ESSAI ET PROGRAMMATION DU THERMOSTAT

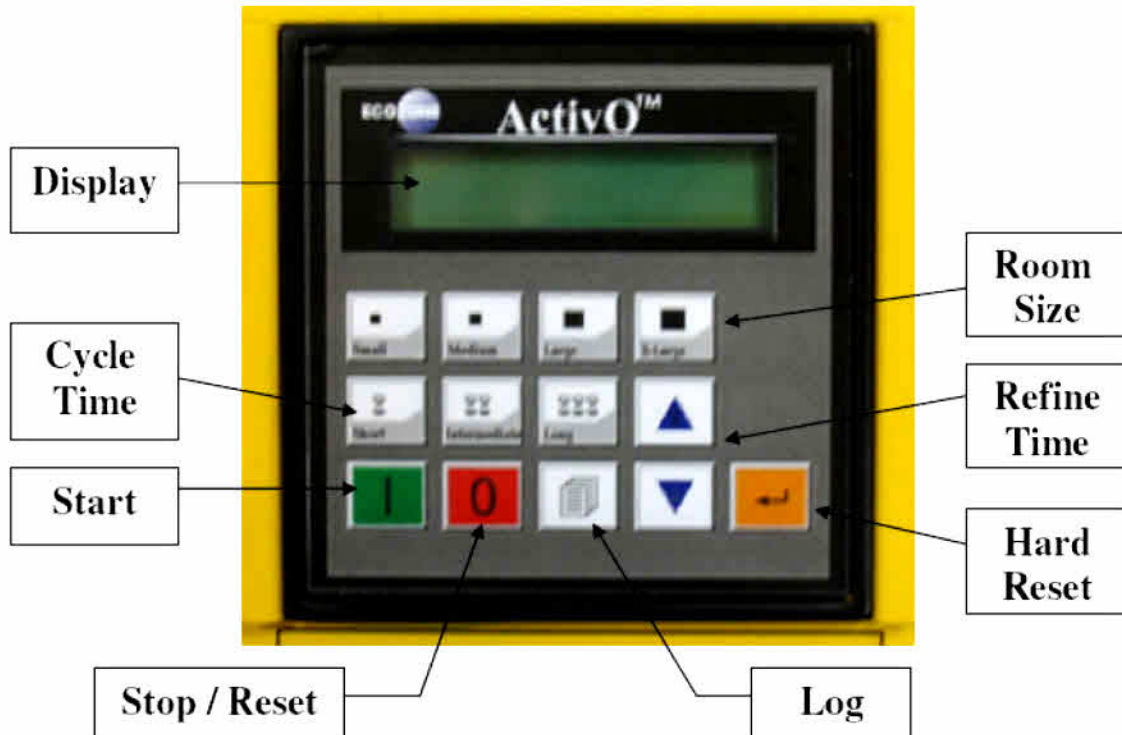
CONTROLES NUMERIQUES



ESSAI DU THERMOSTAT :

1. Appuyez sur la touche ^ jusqu'à ce que la température de consigne soit supérieure à la température ambiante actuelle d'au moins 3 degrés. Le système de chauffage devrait démarrer en quelques secondes.

3. The ActivO control panel and other indicators





3. Technical Specifications

5.1 Description

The **ActivO** system is a portable high-duty and rugged system. It features the most advanced technology in the field of odour-control and air-treatment. The **ActivO** employs Ecozone's state-of-the-art and patented Singlet Unit which is characterized by relatively high activation rate and enhanced reliability.

5.2 Technical Specifications:

Input Voltage: 120V; 60Hz

Air Flow-Rate: 265 CFM.

Ozone output: 12g/hr (12,000 mg/hr)

Operation: Fully Automatic Activation & Deactivation Cycles.

Cycle time: Minimum 15 minutes, Maximum 48 hours.

With special input code: 72 hours, ozone generation only

Control: Digital keyboard

Display: LCD, 16 Digits.

Safety: Circuit breaker 5A

Amber Flashing Light Indicator (ActivO in operation)

Red Fault Indicator

Buzzer Alarm (operation has begun; operation has ended)

Differential Pressure Regulator (air flow obstructed)

Door Interlock (front panel not closed)

Dimensions: 20" x 16" x 39" with handle attached

26" x 21" x 37" packed for shipping, handle detached

Ozone outlet duct: 4" diameter

Weight: 86 pounds; packed for shipment 102 pounds

Enclosure: Metal and ABS

Wheels: leave no tracks

Low EM Noise.

Certification: CE & FCC

5.3 Normal Environmental Conditions:

Indoor use only

Temperature: 25 °F to 120 °F

Humidity: maximum relative humidity: 95%;

ECOZONE Technologies has a policy of continuous product improvement and reserves the right to modify or change this specification at any time without notice.



4. Operation

Preparation and Connections



CAUTION

OZONE IS A POWERFUL OXIDIZER. USE THIS EQUIPMENT WITH CARE AND IN UNINHABITED AREAS ONLY. READ ALL OPERATING INSTRUCTIONS BEFORE USING THIS MACHINE.

RE-OCCUPY TREATED ROOM ONLY AFTER PRESET OPERATING TIME HAS ELAPSED AND THE AMBER FLASHING LIGHT HAS STOPPED FLASHING INDICATING THAT THE MACHINE IS NO LONGER IN OPERATION.

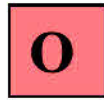
DO NOT ATTEMPT TO ENTER THE ROOM WHILE MACHINE IS IN OPERATION; VENTILATE ROOM AFTER USE

- 0** **Connect** power cord to socket on ActivO's rear panel (bottom) and only then connect it to the power source socket.

6.1 Controller settings



- 1 Press the 'STOP' (Red) button to Reset.



STOP / RESET

The display will present a code followed by the alternating prompt: **Ready** and **Set Room Size**.

- 2 Select 'Room Size' by pressing the respective keypad button.

Note: You may choose between the following 4 room sizes:



Small; for room volumes below 1000ft³.



Medium; for room volumes between 1000ft³ and 2000ft³.



Large; for room volumes between 2,000ft³ and 3,500ft³.



X-Large; for room volumes from 3,500ft³ to 17,000ft³

The display will now prompt: **Set Time**

- 3 Select the **Short/Intermediate/Long** time cycle by pressing the respective button on keypad.

Note: Select length of cycle to correspond with the odor level in the room.



Short Cycle-Time (Light odor)

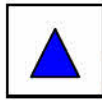


Intermediate Cycle-Time (Average odor)

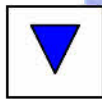


Long Cycle-Time (Strong odor)

- 4** Refine Time setting (optional) by pressing the **Up** or **Down** blue-arrow buttons to **extend** or to **shorten** the operation cycle time, respectively. Please refer to **reference chart** on page-13.



Up - to extend cycle-time



Down - to shorten cycle-time

Note: Time is indicated on LCD in hours and minutes.
h=hours and m=minutes.
For example 3 hours and 20 minutes would be indicated so:
3 h 20 m

5 Press **green (I)** button for **START**.



CAUTION

Before starting operation verify that the treated area has been vacated of people, animals, plants and items containing natural rubber

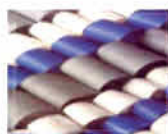
EXAMPLES OF USE OF ITEMS CONTAINING NATURAL RUBBER

Items made of natural rubber (gum) are many and differ in their rubber content; the more rubber content, the greater their susceptibility to degradation by ozone.

Among the common items that may contain natural rubber are computer keyboards (rubber under the keys), floor squeegees, tubes (for bicycles), crepe soles (for shoes), rubber bands (various), gloves ('Latex'), smoked sheets, underlay, and more. **The common sense rule: when in doubt about whether the item contains natural rubber remove the item before treating the space. Or alternatively, smear the item's surface with Vaseline or equivalent before exposing it to ozone.**



KEYBOARD



THREADS



TUBING, LINING,
GASKET
E.G. OLD REFRIG
DOORS



SQUEEGEE



NATURAL RUBBER



UNDERLAY



FOR SHOE SOLES



UNDERLAY

MAINTENANCE

WARNING! Unplug unit before cleaning or servicing.

Note: Protect from freezing. Freezing may damage unit.

Note: Check filter one month after first installation for any initial buildup of dust or debris, and clean as needed. See "Inspect and Clean Filter Element" below.

MONTHLY MAINTENANCE

1. **Inspect Power Cord**
Inspect power cord for cuts, fraying or damage; do not use if damaged.
2. **Inspect drain hoses**
Inspect drain hose for kinks, breaks, or obstructions. Make sure the hose is draining properly.
3. **Inspect Exterior**
Inspect exterior cabinet. Make sure air vents are free of any obstructions. Listen to the unit for abnormal sounds. For Parts and Service, call your local distributor or the Dri-Eaz Service Department at 800-932-3030.
4. **Clean Exterior**
Clean the housing with a damp cloth. Make sure inlet and outlet grills are free of dust and debris.

PERIODIC MAINTENANCE

Inspect and Clean Filter Element

The CMC100 is equipped with a washable filter. Inspect the filter by removing the four filter door screws and sliding it out of the filter door panel (see Figure 2). If the filter shows excessive buildup, vacuum it clean and wash it in mild detergent. Replace the filter in the filter door and close the door securely.

Note: Do not operate the unit without the filter securely in place. If the filter becomes torn or can no longer be adequately cleaned, the filter may be replaced with similar cut-to-fit material available at most hardware stores.

SPECIFICATIONS

Name	CMC 100 Dehumidifier Model F391-A
Dimensions (W × H × D)	10 × 14 × 24 in. 25.4 × 35.6 × 61 cm
Weight	55 lbs. 25 kg
Air movement	250 CFM 7.1 m ³
Water removal	70 pts/day (1.4 L/hr) @ AHAM (80°F/60% RH)
Power	6.2 amps (115V)
Water removal efficiency (Energy factor)	4.4 pts/kWh 2.1 L/kWh
Condensate pump	Included – internal
Condensate pump lift capacity	3 ft. 1 m
Operating temperature range	33°–100°F 0.5°–38°C
Safety	ETL certified to UL 474 and CSA 22.2 No. 92

Specifications are subject to change without notice. Some values may be approximate.

PARTS INCLUDED

Four leveling feet with mounting hardware
20 feet (6 meters) of drain hose
One hose clamp for attaching drain hose

FOR PARTS AND SERVICE CALL YOUR LOCAL DISTRIBUTOR or the Dri-Eaz Service Department at 800-932-3030 or 360-757-7776. www.dri-eaz.com

Go to warranty.CMC100.com to register your purchase.



Products that earn the ENERGY STAR help to reduce greenhouse gas emissions by meeting strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S. Department of Energy.

ENERGY STAR and the ENERGY STAR mark are registered U.S. marks.

- 8 After the full operation cycle is completed including removal of the ozone, you will hear a **second audio alert-signal** indicating that **operation is completed**.
- 9 Upon entering the treated room, the display should read: **Operation Complete** and the amber light should have stopped flashing.



CAUTION

In the event indications do not correspond to the above, leave the room immediately and call for ECOZONE service.

- 10 After the operation has ended and before moving the machine elsewhere, be sure to disconnect the power cord from the power socket.

ATTENTION!

If at any time you need to reset the keyboard settings press:

STOP button (red O) on keypad.

Activation, Deactivation and Total Operating Times

Generation Time = G
Decomposition = D
Total Cycle Time = T
Inter = Intermediate

	Default Short			Default Inter			Default Long		
Time (minutes)	G	D	T	G	D	T	G	D	T
Room Volume									
Small (<1000ft ³)	2	11	15	25	18	45	118	60	180
Medium (<2000ft ³)	6	22	30	34	24	60	268	90	360
Large (<3500ft ³)	20	38	60	126	52	180	1318	120	1440
X-Large (>3500ft ³)	178	120	300	598	120	720	2698	180	2880

Air Marketing Group LLC

Keyboard Controlled Maximum Change From Default Time

	Up Short			Up Inter			Down Long		
Time (minutes)	G	D	T	G	D	T	G	D	T
Room Volume									
Small (<1000ft ³)	17	11	30	70	18	90	28	60	90
Medium (<2000ft ³)	21	22	45	154	24	180	88	90	180
Large (<3500ft ³)	50	38	90	666	52	720	598	120	720
X-Large (>3500ft ³)	238	120	360	1318	120	1440	1258	180	1440

5. Maintenance and Service

Maintenance of your ActivO is required every 500 hours in order to insure trouble-free performance. The ActivO keyboard will display a message indicating that 500 hours of operation have been reached by displaying '**Needs Service**'.

If you have a 'good pair of hands' and follow these instructions carefully, this 3-step procedure should take you about 1 hour.

CAUTION - DISCONNECT POWER FROM THE ACTIVO BEFORE BEGINNING

PROCEDURE BEGINS NEXT PAGE



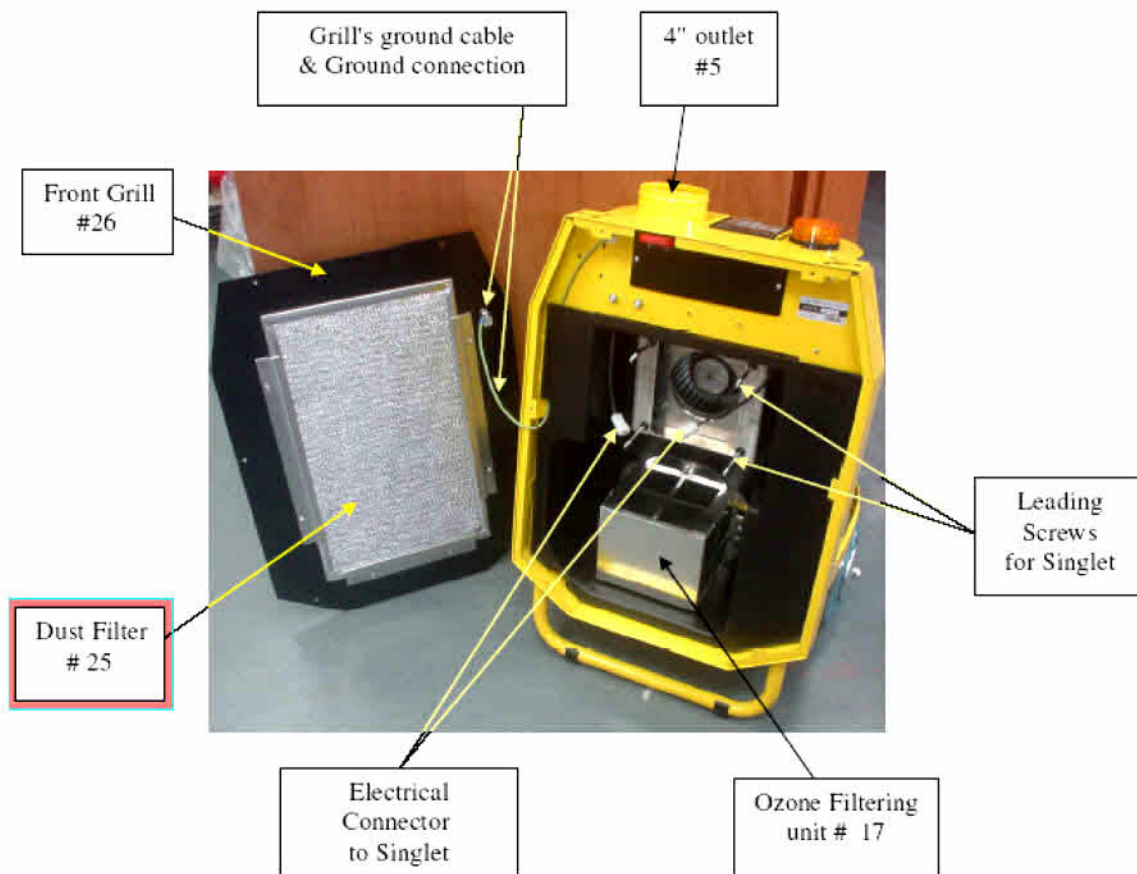
Step 1 Clean Dust Filter (#25 in picture at bottom of this page)

- a. Remove black front grill panel (#26) by unscrewing 6 screws. What you will then see is shown in the picture at the bottom of this page.
- b. Loosen 6 screws in frame around dust filter (#25) so you can slide filter out.

Do not remove the ground cable connected to the grill.

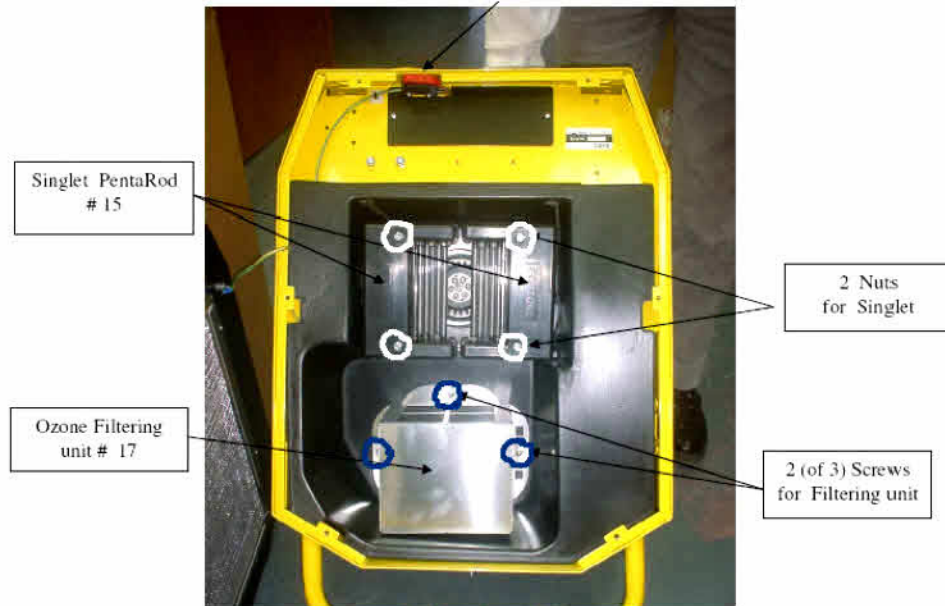


- c. Gently slide filter up and out of its frame (see picture).
- d. Place the filter under warm tap water and wash out dust. It is ok to use a mild liquid soap if needed to loosen the dust. Rinse and dry (ok to use hair dryer).
- e. Slide Dust Filter back into its frame and retighten loosened screws.



Step 2 Clean Ozone Generating Cores (Singlets) (#15 below)

- a. There are two (2) Singlets to remove and clean.
They are shown side by side as #15 in this picture:



- b. remove the electrical connector from each (purple circles, picture on next page)
c. unscrew the 2 nuts holding each Singlet unit (white circles above).
d. gently pull out in parallel each Singlet from its leading screws (exposed, in white circles in picture below, shown after removal of Singlets). **Handle unit carefully.**
e. clean the units under warm tap water, especially the gaps between the tubes*.
You may use a soft brush to remove any accumulated dirt.
Use care not to wet the electrical connector.
f. dry the Singlet units with a soft towel.

Continued Next Page

*Note: the tubes used in the ActivO are unlike tubes used in competitive ozone machines which are often fragile and easily broken. The ActivO tubes are specially designed for use in rugged DR (disaster recovery) environments.


Dri-Eaz Airmover Specifications

Name	Sahara Pro X3	Sahara HD	Sahara E	Ace	Vortex Axial Fan	Jet CXV
Model #	F351	F352	F350	F259	F174-BLU	F367
Height	18.8" / 47.8 cm	18.8" / 47.8 cm	18.8" / 47.8 cm	24" / 61 cm	19.2" / 49 cm	25.9" / 65.8 cm
Width	17" / 43.2 cm	17" / 43.2 cm	17" / 43.2 cm	20.3" / 51.5 cm	18.7" / 48 cm	25.9" / 65.8 cm
Depth	18.3" / 46.5 cm	18.3" / 46.5 cm	18.3" / 46.5 cm	19" / 48.3 cm	15.7" / 40 cm	18.9" / 48 cm
Weight	27 lb / 12 kg	36 lb / 16 kg	24 lb / 11 kg	33 lb / 15 kg	35 lb / 16 kg	35 lb / 16 kg
Motor	0.33 hp	1.0 hp	0.25 hp	0.25 hp	1.0 hp	0.25 hp
Motor Speeds	3-speed	3-speed	1-speed	2-speed	1-speed	3-speed
Max Rated CFM	2700	3500	2250	2250	2041	3200
Tested Velocity or CFM*	2071 FT/MIN (631 M/MIN) Velocity	3206 FT/MIN (977 M/MIN) Velocity	2042 FT/MIN (622 M/MIN) Velocity	1881 FT/MIN (3196 M/MIN) Velocity	1820 FT/MIN (3092 M/MIN) Velocity	n/a
CFM/AMP** Tested CFM Per 15-AMP Circuit**	235 CFM/AMP 2817 CFM/ Circuit	145 CFM/AMP 1454 CFM/ Circuit	129 CFM/AMP 926 CFM/ Circuit	1254 CFM/AMP 15,048 CFM/ Circuit	n/a 1820 CFM/ Circuit	n/a
Static Pressure	1.28" / 3.25 cm	2.75" / 7 cm	1.24" / 3.15 cm	n/a	3.2" / 8.1 cm	n/a
Power	4.0 amps	10 amps	7.2 amps	1.5 amps	7.4 amps	1.5, 2, 3 amps amps
Positions	Three (0°, 45° and 90°)	Three (0°, 45° and 90°)	Three (0°, 45° and 90°)	Seven	One	Two
Stackable	Yes	Yes	Yes	Yes	Yes	Yes
Carpet Clamp	Optional	Optional	Optional	n/a	n/a	n/a
Housing	Rotomolded	Rotomolded	Rotomolded	n/a	n/a	Rotomolded
UL/C-UL Listed	Yes	Yes	Yes	Yes	Yes	ETL tested to UL & CSA standards

* Velocity or CFM is listed, depending on the performance metric most relevant for a specific airmover's application.

** CFM/AMP or Circuit is critical when maximizing airflow on a drying job.

6. Troubleshooting

Problem	Possible Solution
<i>Display is blank and keypad does not function.</i>	<p>Check power cord connections.</p> <p>Check fuse (picture below). If fuse is blown, replace it. If it blows a second time, STOP and call Ecozone for assistance.</p> 
<i>Display prompts "Ready" but keypad does not function.</i>	<ol style="list-style-type: none"> ❶ Disconnect and reconnect power cord. ❷ Wait for "Ready" prompt. ❸ Press STOP button (red) on keypad. ❹ Press hard RESET button (yellow) on keypad.
<p><i>Red light (fault indication) is 'ON' and the display indicates one of the following fault codes:</i></p> <p>a. "AL: Presso-Stat"</p> <p>b. "AL: Micro-Switch"</p>	<ol style="list-style-type: none"> ❶ Make note of fault code indicated on the display. ❷ Disconnect power cord. ❸ CALL for ECOZONE service.
<i>Display shows: "Needs Service"</i>	<p>This notification will appear every 500 hours of use.</p> <p>Upon notification, please refer to Section 6 above, page 15.</p>
<i>Other</i>	Call local ECOZONE distributor for technical support.

7. Warranty

WARRANTY

ECOZONE warrants to the original retail purchaser or licensee of the ActivO (“**Purchaser**”) that the ActivO will conform to and perform in accordance with the published technical specifications and any accompanying written materials supplied by ECOZONE and will be free from defects in materials and workmanship under normal use and conditions for the applicable warranty period indicated below. This warranty does not extend to ActivO’s that have been subject to misuse, accident, exposure to corrosive substances, tampering or use in a manner not approved by ECOZONE in writing. The Ozone Filtering Unit (shown in the picture on page 18 as #17) is a consumable and is expressly excluded from this warranty.

Warranty period is 1 year, commencing on the date of purchase.

Under this warranty, Purchaser must first return the ActivO to ECOZONE, together with proof of purchase from an authorized dealer of ECOZONE (a “**Dealer**”), either directly, or through the Dealer from whom Purchaser purchased the ActivO, for examination by ECOZONE of entitlement under the terms of this warranty. All shipping, handling, travel, service call and/or other incidental and/or related charges are fully payable by Purchaser only and are not included in this warranty.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE EXPRESSLY EXCLUDED AND DISCLAIMED. ECOZONE WILL NOT BE LIABLE FOR LOSS OF PROFITS, ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHICH PURCHASER MAY SUSTAIN, OR PUNITIVE DAMAGES, EVEN IN THE EVENT OF NOTICE OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT SHALL LIABILITY UNDER THIS WARRANTY EXCEED THE PURCHASE PRICE OF THE ACTIVO PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN

IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Contact information:

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